



July 2009

**DEPARTMENT OF EDUCATION**  
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at [www.maine.gov/education/mea/index.htm](http://www.maine.gov/education/mea/index.htm).

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron  
Commissioner of Education



## School Report Grade 8

Test Date: March 2009  
Code: 12101535  
SAU: MSAD 16  
School: Hall-Dale Middle School

### Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores .....	2
Summary of Student Participation .....	3
English Language Arts – Reading Results .....	4-6
Mathematics Results .....	7-9
Science Results .....	10-12

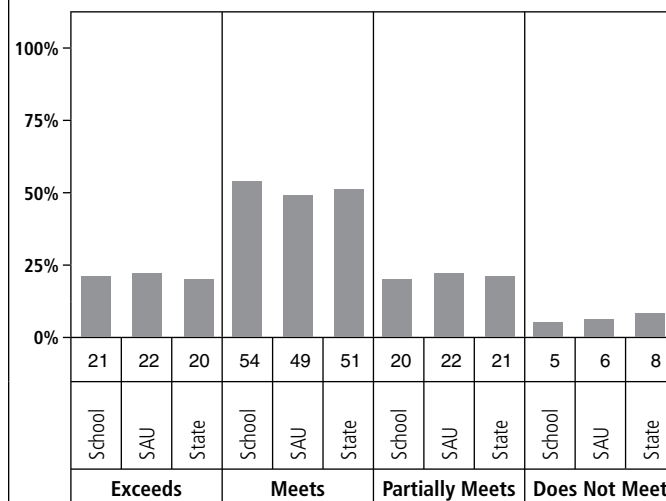
# SUMMARY OF SCORES

Test Date: March 2009  
Grade: 8  
SAU: MSAD 16  
School: Hall-Dale Middle School

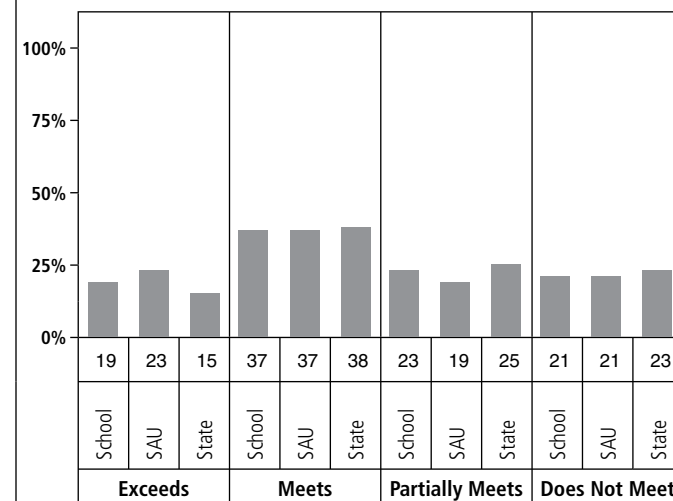
## Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
<b>ELA – Reading</b>			
2006–2007	846	847	847
2007–2008	844	844	849
<b>2008–2009</b>	<b>851</b>	<b>851</b>	<b>850</b>
Cum. Avg.*	847	847	849
<b>Mathematics</b>			
2006–2007	837	840	842
2007–2008	836	835	841
<b>2008–2009</b>	<b>845</b>	<b>846</b>	<b>843</b>
Cum. Avg.*	839	840	842
<b>Science</b>			
<b>2008–2009 **</b>	<b>848</b>	<b>849</b>	<b>846</b>

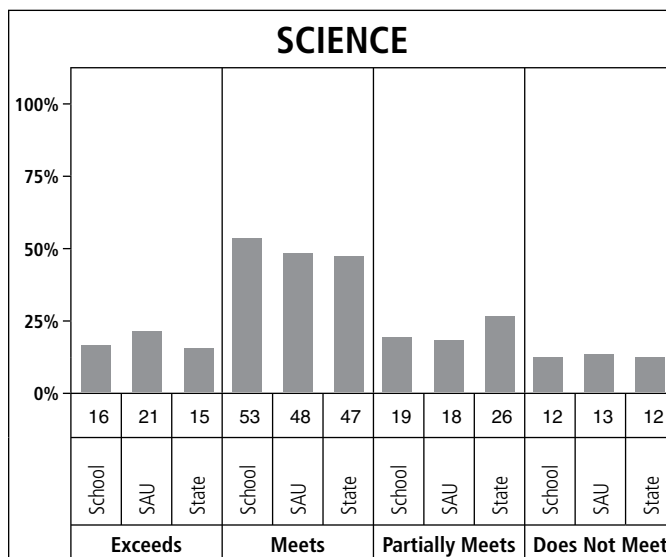
### ELA – READING



### MATHEMATICS



### SCIENCE



\*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

\*\* Because science standards were reset in May 2009, no historical data are available

# SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009  
Grade: 8  
SAU: MSAD 16  
School: Hall-Dale Middle School

CATEGORY OF PARTICIPATION	Enrollment <sup>1</sup> during testing window						CONTENT AREA PARTICIPATION <sup>2</sup>																	
	School		SAU		State		ELA-Reading						Mathematics						Science					
							School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Total number of students</b>	82	100	64	100	14804	100	81	100	63	100	14659	99	81	100	63	100	14653	99	81	100	63	100	14626	99
<b>Ethnicity</b> African American/Black	1	1	1	2	377	3	1	100	1	100	366	97	1	100	1	100	371	98	1	100	1	100	367	97
American Indian or Native Alaskan	0	0	0	0	119	1	0	0	0	0	117	99	0	0	0	0	115	97	0	0	0	0	116	98
Asian or Pacific Islander	3	4	3	5	238	2	3	100	3	100	232	97	3	100	3	100	234	98	3	100	3	100	234	98
Hispanic	0	0	0	0	192	1	0	0	0	0	188	98	0	0	0	0	191	100	0	0	0	0	190	99
Caucasian/White	78	95	60	94	13878	94	77	100	59	100	13756	99	77	100	59	100	13742	99	77	100	59	100	13719	99
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Identified disability</b>	16	20	15	23	2489	17	15	100	14	100	2434	99	15	100	14	100	2424	98	15	100	14	100	2418	98
<b>Current LEP</b>	0	0	0	0	349	2	0	0	0	0	331	95	0	0	0	0	342	98	0	0	0	0	338	97
<b>Economically disadvantaged</b>	28	34	21	33	5460	37	27	100	20	100	5380	99	27	100	20	100	5377	99	27	100	20	100	5359	98
<b>Migrant</b>	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100	0	0	0	0	6	100

MODE OF PARTICIPATION <sup>3</sup>	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Participation without accommodations</b>	67	82	51	80	12132	82	67	82	50	78	12124	82	67	82	50	78	12169	82
Identified disability (PET/IEP)	2	3	3	6	379	3	2	3	2	4	380	3	2	3	2	4	425	3
LEP	0	0	0	0	166	1	0	0	0	0	169	1	0	0	0	0	168	1
504 plan	2	3	1	2	200	2	2	3	1	2	200	2	2	3	1	2	202	2
<b>Participation with accommodations</b>	14	17	12	19	2349	16	14	17	12	19	2347	16	14	17	12	19	2288	15
Identified disability (PET/IEP)	13	93	11	92	1877	80	13	93	11	92	1862	79	13	93	11	92	1824	80
LEP	0	0	0	0	158	7	0	0	0	0	167	7	0	0	0	0	165	7
504 plan	0	0	0	0	70	3	0	0	0	0	70	3	0	0	0	0	66	3
Other	1	7	1	8	292	12	1	7	1	8	297	13	1	7	1	8	280	12
<b>Participation through alternate assessment (PAAP)</b>	0	0	0	0	178	1	0	0	1	2	182	1	0	0	1	2	169	1
Identified disability (PET/IEP)	0	0	0	0	178	100	0	0	1	100	182	100	0	0	1	100	169	100
LEP	0	0	0	0	7	4	0	0	0	0	6	3	0	0	0	0	5	3
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Approved non-participation in reading – 1st year LEP</b>	0	0	0	0	0	0												
<b>Approved non-participation – special consideration</b>	1	1	1	2	32	0	1	1	1	2	34	0	1	1	1	2	38	0
<b>Non-participation – other</b>	0	0	0	0	113	1	0	0	0	0	117	1	0	0	0	0	140	1

<sup>1</sup>Percents are the percentage of students enrolled in each participation category.

<sup>2</sup>Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

<sup>3</sup>Percents are the percentage of students in each content area by mode.

# ELA–READING RESULTS

Test Date: March 2009  
Grade: 8  
SAU: MSAD 16  
School: Hall-Dale Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 862–880)	2006-2007	9	11	8	15	2407	16
	2007-2008	13	18	10	16	3428	23
	<b>2008-2009</b>	<b>17</b>	<b>21</b>	<b>14</b>	<b>22</b>	<b>2857</b>	<b>20</b>
	Cum. Total*	39	17	32	18	8692	19
<b>Meets the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 842–860)	2006-2007	35	44	24	44	7494	49
	2007-2008	26	37	23	38	7179	48
	<b>2008-2009</b>	<b>44</b>	<b>54</b>	<b>31</b>	<b>49</b>	<b>7431</b>	<b>51</b>
	Cum. Total*	105	45	78	44	22104	49
<b>Partially Meets the Standards</b> – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 830–840)	2006-2007	27	34	18	33	3628	24
	2007-2008	14	20	13	21	2706	18
	<b>2008-2009</b>	<b>16</b>	<b>20</b>	<b>14</b>	<b>22</b>	<b>2979</b>	<b>21</b>
	Cum. Total*	57	25	45	25	9313	21
<b>Does Not Meet the Standards</b> – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 800–828)	2006-2007	8	10	4	7	1810	12
	2007-2008	18	25	15	25	1611	11
	<b>2008-2009</b>	<b>4</b>	<b>5</b>	<b>4</b>	<b>6</b>	<b>1214</b>	<b>8</b>
	Cum. Total*	30	13	23	13	4635	10

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	36.5	65.2	36.0	64.3	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	20	36	12.5	62.5	12.2	61.0	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	24.0	66.7	23.8	66.1	23.2	64.4

The MEA measures student achievement of the interconnected elements of the reading process based on questions related to literary and informational/persuasive reading passages. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:  
<http://www.maine.gov/education/lres/pei/index.html>.



# ELA-READING RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 8  
 SAU: MSAD 16  
 School: Hall-Dale Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	81	17	21	44	54	16	20	4	5	851	63	22	49	22	6	851	14481	20	51	21	8	850
Ethnicity																						
African American/Black	1										1						362	8	43	29	20	843
American Indian or Native Alaskan	0										0						116	10	46	26	18	843
Asian or Pacific Islander	3										3						231	28	43	19	10	851
Hispanic	0										0						186	17	48	23	12	847
Caucasian/White	77	14	18	43	56	16	21	4	5	850	59	19	51	24	7	849	13586	20	52	20	8	850
Not Reported	0										0						0					
Identified disability																						
Yes	15	0	0	6	40	5	33	4	27	835	14	0	36	36	29	834	2256	2	25	40	34	834
No	66	17	26	38	58	11	17	0	0	855	49	29	53	18	0	855	12225	23	56	17	4	853
Current LEP																						
Yes	0										0						324	5	34	36	26	838
No	81	17	21	44	54	16	20	4	5	851	63	22	49	22	6	851	14157	20	52	20	8	850
Economically disadvantaged																						
Yes	27	2	7	12	44	10	37	3	11	843	20	10	35	45	10	842	5277	10	46	29	15	844
No	54	15	28	32	59	6	11	1	2	855	43	28	56	12	5	855	9204	26	54	16	5	853
Migrant																						
Yes	0										0						5	0	40	60	0	841
No	81	17	21	44	54	16	20	4	5	851	63	22	49	22	6	851	14476	20	51	21	8	850
Gender																						
Female	42	12	29	21	50	7	17	2	5	853	29	31	41	21	7	853	7074	25	51	18	6	852
Male	39	5	13	23	59	9	23	2	5	849	34	15	56	24	6	849	7407	14	51	23	11	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	1										1						857	9	43	35	14	843
No	80	17	21	44	55	15	19	4	5	851	62	23	50	21	6	851	13624	20	52	20	8	850
Gifted/talented program																						
Yes	0										0						700	69	30	1	0	867
No	81	17	21	44	54	16	20	4	5	851	63	22	49	22	6	851	13781	17	52	22	9	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# ELA-READING RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009

Grade: 8

SAU: MSAD 16

School: Hall-Dale Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	9	0	0	3	43	2	29	2	29	837	10	0	50	33	17	841	8	8	39	29	24	841
B. less than one hour	59	11	23	25	52	11	23	1	2	853	60	24	49	24	3	853	51	17	53	22	8	849
C. one to two hours	26	4	19	13	62	3	14	1	5	850	24	20	53	20	7	849	36	24	52	18	5	852
D. more than two hours	6	2	40	3	60	0	0	0	0	861	6	50	50	0	0	865	5	29	45	18	9	852
<b>Which of the following best describes how you rate yourself as a student in reading?</b>																						
A. very good	26	6	29	10	48	4	19	1	5	854	27	29	47	18	6	856	31	35	50	11	4	856
B. good	47	9	24	22	58	5	13	2	5	853	44	30	48	19	4	854	47	16	55	21	7	849
C. fair	20	1	6	8	50	6	38	1	6	843	21	8	46	38	8	843	18	5	47	33	15	842
D. poor	7	1	17	4	67	1	17	0	0	851	8	0	80	20	0	848	3	2	39	37	22	839
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?</b>																						
A. The questions on the test match what I have learned in reading class.	25	6	30	8	40	5	25	1	5	851	19	25	33	42	0	849	32	27	54	14	5	853
B. They match some of what I have learned.	54	9	20	27	61	7	16	1	2	853	58	25	56	17	3	854	52	18	53	22	8	850
C. They match just a little of what I have learned.	15	2	17	6	50	2	17	2	17	846	16	20	40	20	20	846	12	11	45	29	15	844
D. There is no match.	6	0	0	3	60	2	40	0	0	847	6	0	75	25	0	850	4	6	34	33	26	838
<b>How difficult was the reading part of this test?</b>																						
A. more difficult than my regular schoolwork	10	2	25	3	38	2	25	1	13	845	8	40	20	20	20	846	15	13	42	28	17	844
B. about the same as my regular schoolwork	54	8	19	26	60	7	16	2	5	851	62	16	62	19	3	851	64	19	53	20	7	850
C. easier than my regular schoolwork	35	7	25	14	50	6	21	1	4	854	30	33	33	28	6	854	22	25	52	16	6	852
<b>How difficult were the reading passages on this test?</b>																						
A. Most of the passages were more difficult than what I normally read.	8	0	0	4	67	2	33	0	0	845	7	0	50	50	0	845	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	42	4	12	18	55	8	24	3	9	846	43	15	50	27	8	846	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	51	13	33	20	50	6	15	1	3	856	50	33	47	17	3	856	40	30	53	13	4	855
<b>How hard did you try on the reading part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	26	8	38	6	29	6	29	1	5	852	28	41	18	35	6	852	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	64	9	18	31	61	8	16	3	6	851	62	18	61	16	5	852	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	10	0	0	6	75	2	25	0	0	847	10	0	67	33	0	847	7	12	46	27	15	845
<b>How much time do you spend reading at home each day?</b>																						
A. more than one hour	21	6	35	8	47	2	12	1	6	855	21	31	46	15	8	854	19	26	53	15	6	853
B. 20 minutes to an hour	35	7	25	13	46	6	21	2	7	851	36	27	45	23	5	853	40	25	52	17	6	852
C. less than 20 minutes	16	1	8	8	62	4	31	0	0	849	16	10	50	40	0	848	15	18	51	21	10	849
D. I rarely read at home.	28	3	14	14	64	4	18	1	5	850	26	19	56	19	6	850	26	7	50	30	13	844
<b>How do you feel about the following statement?</b>																						
<b>"My knowledge of reading will be useful to me as an adult."</b>																						
A. strongly agree	29	9	39	11	48	0	0	3	13	857	25	47	40	0	13	860	42	27	51	15	6	853
B. agree	56	8	18	24	53	12	27	1	2	849	61	19	49	30	3	849	50	15	53	23	9	848
C. disagree	9	0	0	4	57	3	43	0	0	849	10	0	67	33	0	851	7	8	46	32	14	843
D. strongly disagree	6	0	0	4	80	1	20	0	0	844	5	0	67	33	0	842	2	6	39	35	21	840
<b>Optional school/SAU question</b>																						
A.	25	0	0	1	100	0	0	0	0	860	33	0	100	0	0	860						
B.	25	0	0	0	0	1	100	0	0	838	33	0	0	100	0	838						
C.	25	0	0	1	100	0	0	0	0	844	0											
D.	25	0	0	1	100	0	0	0	0	848	33	0	100	0	0	848						

E = Exceeds the Standards   M = Meets the Standards   P = Partially Meets the Standards   D = Does Not Meet the Standards  
N = Number

# MATHEMATICS RESULTS

Test Date: March 2009  
Grade: 8  
SAU: MSAD 16  
School: Hall-Dale Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 862–880)	2006-2007	10	13	10	19	1952	13
	2007-2008	9	13	7	11	1657	11
	<b>2008-2009</b>	<b>15</b>	<b>19</b>	<b>14</b>	<b>23</b>	<b>2116</b>	<b>15</b>
	Cum. Total*	34	15	31	18	5725	13
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 842–860)	2006-2007	24	30	16	30	5870	38
	2007-2008	21	30	18	30	5956	40
	<b>2008-2009</b>	<b>30</b>	<b>37</b>	<b>23</b>	<b>37</b>	<b>5443</b>	<b>38</b>
	Cum. Total*	75	32	57	32	17269	39
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 830–840)	2006-2007	18	23	11	20	3982	26
	2007-2008	13	18	10	16	3729	25
	<b>2008-2009</b>	<b>19</b>	<b>23</b>	<b>12</b>	<b>19</b>	<b>3556</b>	<b>25</b>
	Cum. Total*	50	22	33	19	11267	25
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 800–828)	2006-2007	27	34	17	31	3534	23
	2007-2008	28	39	26	43	3579	24
	<b>2008-2009</b>	<b>17</b>	<b>21</b>	<b>13</b>	<b>21</b>	<b>3356</b>	<b>23</b>
	Cum. Total*	72	31	56	32	10469	23

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Mathematics Total Points</b>	<b>56</b>	<b>100</b>	29.9	53.4	30.5	54.5	28.6	51.1
<b>A. Number</b>	<b>8</b>	<b>14</b>	3.8	47.5	4.0	50.0	3.7	46.3
<b>B. Data</b>	<b>16</b>	<b>29</b>	8.9	55.6	9.1	56.9	8.9	55.6
<b>C. Geometry</b>	<b>12</b>	<b>21</b>	5.4	45.0	5.5	45.8	5.0	41.7
<b>D. Algebra</b>	<b>20</b>	<b>36</b>	11.7	58.5	12.0	60.0	10.9	54.5

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.



# MATHEMATICS RESULTS

## (CONTINUED)

Test Date: March 2009

Grade: 8

SAU: MSAD 16

School: Hall-Dale Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	81	15	19	30	37	19	23	17	21	845	62	23	37	19	21	846	14471	15	38	25	23	843
<b>Ethnicity</b>																						
African American/Black	1										1						367	6	24	26	44	831
American Indian or Native Alaskan	0										0						114	5	31	32	32	836
Asian or Pacific Islander	3										3						233	27	33	20	21	847
Hispanic	0										0						190	8	31	26	34	836
Caucasian/White	77	12	16	30	39	18	23	17	22	844	58	19	40	19	22	845	13567	15	38	25	22	843
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	15	1	7	1	7	7	47	6	40	833	13	8	8	38	46	833	2242	2	12	22	63	824
No	66	14	21	29	44	12	18	11	17	847	49	27	45	14	14	849	12229	17	42	25	16	846
<b>Current LEP</b>																						
Yes	0										0						336	6	18	26	51	829
No	81	15	19	30	37	19	23	17	21	845	62	23	37	19	21	846	14135	15	38	25	23	843
<b>Economically disadvantaged</b>																						
Yes	27	3	11	5	19	8	30	11	41	835	20	15	15	25	45	835	5270	6	30	28	36	835
No	54	12	22	25	46	11	20	6	11	849	42	26	48	17	10	851	9201	20	42	22	16	847
<b>Migrant</b>																						
Yes	0										0						5	0	0	40	60	828
No	81	15	19	30	37	19	23	17	21	845	62	23	37	19	21	846	14466	15	38	25	23	843
<b>Gender</b>																						
Female	42	7	17	16	38	11	26	8	19	844	29	24	38	21	17	847	7070	15	39	25	22	843
Male	39	8	21	14	36	8	21	9	23	845	33	21	36	18	24	845	7401	14	36	25	25	842
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	1										1						857	5	25	33	37	835
No	80	15	19	30	38	19	24	16	20	845	61	23	38	20	20	846	13614	15	38	24	22	843
<b>Gifted/talented program</b>																						
Yes	0										0						700	68	27	3	1	866
No	81	15	19	30	37	19	23	17	21	845	62	23	37	19	21	846	13771	12	38	26	24	841

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



# MATHEMATICS RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 8  
SAU: MSAD 16  
School: Hall-Dale Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	9	1	14	2	29	1	14	3	43	836	10	17	33	0	50	835	8	8	24	24	44	833
B. less than one hour	59	9	19	19	40	12	25	8	17	846	60	22	41	24	14	848	51	12	38	26	23	842
C. one to two hours	26	3	14	8	38	6	29	4	19	844	24	20	33	20	27	844	36	19	40	23	19	845
D. more than two hours	6	2	40	1	20	0	0	2	40	844	6	50	25	0	25	848	5	19	36	22	23	844
<b>Which of the following best describes how you rate yourself as a student in mathematics?</b>																						
A. very good	26	9	43	7	33	3	14	2	10	856	26	50	25	13	13	856	28	33	41	15	11	852
B. good	46	5	14	15	41	9	24	8	22	843	48	17	40	20	23	843	45	11	43	25	21	842
C. fair	21	1	6	5	29	7	41	4	24	839	18	9	36	36	18	842	21	3	27	35	35	834
D. poor	7	0	0	3	50	0	0	3	50	832	8	0	60	0	40	835	5	2	14	30	54	828
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?</b>																						
A. The questions on the test match what I have learned in mathematics class.	33	3	11	9	33	9	33	6	22	842	29	11	39	33	17	844	28	23	41	21	15	848
B. They match some of what I have learned.	48	7	18	18	46	8	21	6	15	847	53	21	48	15	15	848	52	13	40	25	21	843
C. They match just a little of what I have learned.	16	4	31	3	23	2	15	4	31	844	15	44	0	11	44	842	16	8	28	30	34	836
D. There is no match.	2	1	50	0	0	0	0	1	50	847	3	50	0	0	50	847	4	5	15	22	58	826
<b>How difficult was the mathematics part of this test?</b>																						
A. more difficult than my regular schoolwork	20	1	6	5	31	4	25	6	38	835	20	8	25	25	42	834	32	6	34	29	32	837
B. about the same as my regular schoolwork	50	5	13	16	40	10	25	9	23	843	44	15	48	15	22	845	52	13	41	25	20	843
C. easier than my regular schoolwork	30	9	38	9	38	4	17	2	8	854	36	41	32	18	9	854	16	39	35	13	13	853
<b>How hard did you try on the mathematics part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	28	3	13	8	35	6	26	6	26	841	26	19	31	25	25	843	42	12	38	26	25	841
B. I tried about the same as I do on my regular schoolwork.	65	12	23	19	36	11	21	11	21	846	69	26	37	16	21	847	52	17	39	23	20	845
C. I did not try as hard on this test as I do on my regular schoolwork.	6	0	0	3	60	2	40	0	0	846	5	0	67	33	0	845	7	12	27	27	35	837
<b>How often do you use calculators in mathematics class?</b>																						
A. almost every day	49	12	30	13	33	7	18	8	20	848	52	38	28	16	19	849	34	18	40	22	20	845
B. two or three days a week	33	1	4	13	48	7	26	6	22	841	31	5	53	21	21	842	35	14	38	26	21	843
C. two or three times each month	5	0	0	1	25	3	75	0	0	840	6	0	25	75	0	840	18	12	37	27	24	841
D. never or almost never	12	2	20	3	30	2	20	3	30	844	11	14	43	0	43	844	13	9	32	25	34	837
<b>How often do you use laptops in mathematics class?</b>																						
A. almost every day	19	1	7	3	20	4	27	7	47	835	19	8	25	17	50	836	9	13	38	23	26	841
B. two or three days a week	16	1	8	6	46	4	31	2	15	844	13	13	50	13	25	843	17	11	37	26	26	841
C. two or three times each month	33	3	11	12	44	8	30	4	15	843	32	15	50	30	5	846	28	15	40	25	20	844
D. never or almost never	32	10	38	9	35	3	12	4	15	852	35	41	27	14	18	852	46	16	36	24	23	843
<b>How do you feel about the following statement?</b>																						
<b>"My knowledge of mathematics will be useful to me as an adult."</b>																						
A. strongly agree	49	8	21	16	41	9	23	6	15	848	45	29	36	14	21	848	52	19	41	22	18	846
B. agree	31	4	16	10	40	4	16	7	28	843	32	15	45	20	20	846	39	11	35	27	27	840
C. disagree	14	3	27	2	18	4	36	2	18	843	16	30	20	40	10	846	6	7	28	26	39	835
D. strongly disagree	6	0	0	2	40	1	20	2	40	833	6	0	50	0	50	832	3	4	25	28	43	832
<b>Optional school/SAU question</b>																						
A.	25	0	0	1	100	0	0	0	0	850	33	0	100	0	0	850						
B.	25	0	0	0	0	0	0	1	100	828	33	0	0	0	100	828						
C.	25	0	0	0	0	1	100	0	0	838	0											
D.	25	0	0	0	0	1	100	0	0	832	33	0	0	100	0	832						

# SCIENCE RESULTS

Test Date: March 2009  
Grade: 8  
SAU: MSAD 16  
School: Hall-Dale Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)	2008-2009*	13	16	13	21	2155	15
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)	2008-2009*	43	53	30	48	6687	47
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)	2008-2009*	15	19	11	18	3672	26
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)	2008-2009*	10	12	8	13	1749	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Science Total Points</b>	56	100	33.2	59.3	33.6	60.0	32.0	57.1
<b>D. The Physical Setting</b>	31	55	17.0	54.8	17.1	55.2	17.1	55.2
<b>D1/D2 Earth/Space</b>	17	30	9.5	55.9	9.5	55.9	9.4	55.3
<b>D3/D4 Matter and Energy/Force and Motion</b>	14	25	7.5	53.6	7.6	54.3	7.7	55.0
<b>E. The Living Environment</b>	25	45	16.2	64.8	16.5	66.0	14.9	59.6

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:  
<http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting  
D1 - Universe and Solar System  
D2 - Earth  
D3 - Matter and Energy  
D4 - Force and Motion

Content Standard E. The Living Environment  
E1 - Biodiversity  
E2 - Ecosystems  
E3 - Cells  
E4 - Heredity and Reproduction  
E5 - Evolution

# SCIENCE RESULTS

## (CONTINUED)

Test Date: March 2009  
Grade: 8  
SAU: MSAD 16  
School: Hall-Dale Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	81	13	16	43	53	15	19	10	12	848	62	21	48	18	13	849	14263	15	47	26	12	846
<b>Ethnicity</b>																						
African American/Black	1										1						360	4	31	35	30	835
American Indian or Native Alaskan	0										0						114	8	39	31	22	839
Asian or Pacific Islander	3										3						230	20	44	23	13	848
Hispanic	0										0						184	9	45	29	16	842
Caucasian/White	77	11	14	41	53	15	19	10	13	847	58	19	48	19	14	848	13375	15	47	25	12	846
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	15	0	0	6	40	3	20	6	40	835	13	0	46	15	38	836	2221	3	22	36	38	832
No	66	13	20	37	56	12	18	4	6	851	49	27	49	18	6	852	12042	17	51	24	7	848
<b>Current LEP</b>																						
Yes	0										0						331	4	20	39	37	832
No	81	13	16	43	53	15	19	10	12	848	62	21	48	18	13	849	13932	15	48	25	12	846
<b>Economically disadvantaged</b>																						
Yes	27	2	7	10	37	8	30	7	26	839	20	10	35	25	30	839	5184	6	40	33	21	840
No	54	11	20	33	61	7	13	3	6	852	42	26	55	14	5	853	9079	20	51	21	8	849
<b>Migrant</b>																						
Yes	0										0						5	0	0	80	20	829
No	81	13	16	43	53	15	19	10	12	848	62	21	48	18	13	849	14258	15	47	26	12	846
<b>Gender</b>																						
Female	42	7	17	19	45	9	21	7	17	846	29	24	38	21	17	848	6953	14	47	28	11	846
Male	39	6	15	24	62	6	15	3	8	850	33	18	58	15	9	849	7310	16	46	24	13	846
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	1										1						828	5	35	40	20	839
No	80	13	16	43	54	15	19	9	11	848	61	21	49	18	11	849	13435	16	48	25	12	846
<b>Gifted/talented program</b>																						
Yes	0										0						699	65	34	2	0	865
No	81	13	16	43	53	15	19	10	12	848	62	21	48	18	13	849	13564	13	48	27	13	845

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# SCIENCE RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 8  
SAU: MSAD 16  
School: Hall-Dale Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	9	1	14	2	29	2	29	2	29	837	10	17	33	17	33	838	8	8	34	28	30	837
B. less than one hour	59	8	17	26	54	10	21	4	8	850	60	22	49	22	8	850	51	14	48	27	11	846
C. one to two hours	26	2	10	13	62	2	10	4	19	846	24	13	53	13	20	846	36	19	48	24	9	848
D. more than two hours	6	2	40	2	40	1	20	0	0	854	6	50	50	0	0	860	5	17	49	20	14	847
<b>Which of the following best describes how you rate yourself as a student in science?</b>																						
A. very good	15	1	8	9	75	2	17	0	0	850	13	13	75	13	0	850	23	27	47	17	8	851
B. good	44	11	31	14	39	5	14	6	17	851	48	37	33	13	17	852	53	15	50	26	10	847
C. fair	35	1	4	16	57	7	25	4	14	843	31	5	53	26	16	843	20	4	43	35	18	840
D. poor	6	0	0	4	80	1	20	0	0	848	8	0	80	20	0	848	4	4	27	34	35	834
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about science?</b>																						
A. The questions on the test match what I have learned in science class.	19	1	7	5	33	7	47	2	13	842	13	13	38	38	13	847	26	20	49	23	9	849
B. They match some of what I have learned.	51	7	17	22	54	5	12	7	17	847	49	23	40	17	20	846	51	14	48	26	11	846
C. They match just a little of what I have learned.	21	4	24	11	65	2	12	0	0	853	26	25	63	13	0	854	18	13	44	28	15	844
D. There is no match.	9	1	14	5	71	0	0	1	14	853	11	14	71	0	14	853	4	5	33	30	32	836
<b>How difficult was the science part of this test?</b>																						
A. more difficult than my regular schoolwork	32	3	12	14	56	4	16	4	16	846	33	15	55	15	15	847	32	13	45	28	14	844
B. about the same as my regular schoolwork	51	7	18	19	48	8	20	6	15	848	50	23	40	20	17	848	56	15	49	25	11	847
C. easier than my regular schoolwork	18	3	21	9	64	2	14	0	0	852	17	30	60	10	0	855	11	21	43	22	13	847
<b>How hard did you try on the science part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	29	5	22	13	57	0	0	5	22	849	26	31	50	0	19	852	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	66	8	15	27	51	13	25	5	9	848	69	19	48	21	12	848	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	5	0	0	3	75	1	25	0	0	845	5	0	67	33	0	843	6	8	36	29	26	839
<b>Which courses do you plan to take before you graduate from high school?</b>																						
A. earth and space science and/or biology	24	2	11	9	47	5	26	3	16	844	30	11	50	22	17	845	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	22	2	12	10	59	3	18	2	12	847	20	17	58	17	8	849	23	17	49	22	12	847
C. the course(s) described in B, plus physics	29	7	30	14	61	2	9	0	0	855	27	44	44	13	0	857	21	31	44	17	7	852
D. a life science and physical science class	25	1	5	9	45	5	25	5	25	842	23	7	43	21	29	842	30	7	46	32	14	842
<b>How well does the following statement reflect your future goals? "I am interested in a career related to science, technology, engineering, or mathematics."</b>																						
A. strongly agree	17	2	14	7	50	4	29	1	7	846	16	20	40	30	10	845	27	23	47	20	10	849
B. agree	33	8	30	11	41	5	19	3	11	851	37	35	39	17	9	853	37	14	47	27	12	846
C. disagree	35	2	7	18	64	3	11	5	18	847	34	10	57	14	19	846	25	11	48	29	12	845
D. strongly disagree	15	1	8	7	58	3	25	1	8	844	13	13	63	13	13	845	11	9	44	31	17	842
<b>How do you feel about the following statement? "My knowledge of science will be useful to me as an adult."</b>																						
A. strongly agree	20	4	25	6	38	4	25	2	13	846	16	40	20	20	20	846	31	22	46	22	10	849
B. agree	57	8	17	24	52	8	17	6	13	849	58	22	47	19	11	850	50	14	49	26	11	846
C. disagree	20	1	6	11	69	3	19	1	6	848	21	8	69	15	8	849	14	9	45	31	15	843
D. strongly disagree	4	0	0	2	67	0	0	1	33	841	5	0	67	0	33	841	5	3	38	34	25	837
<b>Optional school/SAU question</b>																						
A.	25	0	0	1	100	0	0	0	0	852	33	0	100	0	0	852						
B.	25	0	0	0	0	1	100	0	0	832	33	0	0	100	0	832						
C.	25	0	0	1	100	0	0	0	0	852	0											
D.	25	0	0	0	0	1	100	0	0	834	33	0	0	100	0	834						

E = Exceeds the Standards   M = Meets the Standards   P = Partially Meets the Standards   D = Does Not Meet the Standards  
N = Number